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Lacquering of wood contg. hardening inhibitors - using
polyurea polyformaldehyde resin to block inhibitor migration and
polyurethane lacquer insulating layer and radical-curing lacquer top coat

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Abstract (Basic): DD 252983 A

A process is claimed for lacquering wood which has a hardening inhibiting effect (I), with a hardenable radical-forming protective lacquer (II) using a polyurethane-based insulating lacquer (III); the surface is first treated with an aq. soln. of a radical-crosslinking, film-forming urea-formaldehyde (UF) resin which penetrates the pores; this is dried in, and the surface is then coated with (III) and (II). (I) is esp. rosewood; (II) is an unsatd. polyester lacquer, esp. peroxide-cured; (III) is applied in one or more layers; UF resin is dried to the Resite stage, and the insulating layers are sprayed on.

USE/ADVANTAGE - The process is useful esp. for lacquering tropical woods, contg. quinones and phenols partic. for prodn. of musical instruments, furniture, toys and sports equipment. It prevents such impurities diffusing into (II) during drying or hardening.

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Derwent Class: A82; G02; P42

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